

Reveal Edge D

PRODUCT DESCRIPTION

Reveal Edge is a range of bonded metallic powder coatings, developed with the designer in mind, to provide outstanding colours and finishes. The product has great recyclability and options for high corrosion resistance.

Application areas

This product is recommended for interior use on surfaces exposed to a dry environment.

Typical application areas:

- Refrigerators
- Freezers
- Small kitchen appliances
- Home furniture
- Office furniture
- Shop fittings and lighting, sports equipment

POWDER PROPERTIES

Property	Standard	Result
Specific gravity		Typically 1.4±0.2 g/cm ³

Storage

Keep in a dry cool area. Maximum temperature 25 °C. Maximum relative humidity 60 %. If stored longer than 12 months a quality test must be performed.

APPLICATION

Pretreatment

The overall performance of the coating system is largely dependent on the nature of the substrate and the type and quality of the pretreatment. For optimal results, it is recommended to follow the pretreatment supplier's instructions and recommendations.

Powder application

Curing schedule	Object temperature	Time
Reveal Edge D6	160 °C	10 minutes
Reveal Edge D8	180 °C	10 minutes
Reveal Edge D0	200 °C	10 minutes

Recommended minimum film thickness 60 µm.
Some sparkling products may require a higher thickness for full hiding depending on substrate.

Equipment

Suitable for Corona charging equipment.

APPEARANCE

Colour Available in a wide variety of metallic colours and effects upon technical approval.

Gloss Gloss levels are dependent on the effect and finish required.

Finish Smooth and textured finishes

Metallic/special effect powder coatings are more sensitive to variations in application, it is important to consider recommendations given in our Application Guidelines for Metallic Powder Coatings.

PERFORMANCE

The technical data provided below are typical for this product when applied as follows:

Substrate Iron-phosphated cold rolled steel

Substrate thickness (mm) 0.8

Film thickness (µm) 60-80

Typical values when tested.

Property	Standard	Result
Adhesion	ISO 2409	Cross-cut rating Gt0 (100 % adhesion)
Pencil hardness test	ASTM D3363-05 (Derwent Graphic)	F
Cupping test	ISO 1520	≥ 5 mm
Flexibility, cylindrical mandrel	ISO 1519	≤ 5 mm
Impact resistance	ASTM D2794 (5/8 " ball) (inch-pounds, front and reverse) Smooth, gloss > 60 Smooth, gloss 40-59 Smooth, gloss < 40 Coarse texture Fine texture	100/80 60/40 40/20 40/20 40/20
Resistance to food	DIN 68861-1, 24 h	Citric acid - No change 5-10% vinegar - No change Beer - No change Cola - No change Blackcurrant, orange, tomato juice - No change
Resistance to solvent	EN 12720:2009+A1:2013, 15 seconds	100% Isopropanol - No change 96% Ethanol (Ethyl alcohol) - No change
Resistance to neutral salt spray	ISO 9227	No blistering and maximum 1 mm corrosion creep from scribe after 240 hours
Resistance to humid atmospheres	ISO 6270-2	No blistering and maximum 2 mm corrosion creep from scratch after 500 hours
Light resistance	ISO 16474-2:2013, Method B, cycle 2	Maximum dE ≤ 1.5 after 144 hours.

Disclaimer

The information in this document is given to the best of Jotun's knowledge, based on laboratory testing and practical experience. Jotun's products are considered as semi-finished goods and as such, products are often used under conditions beyond Jotun's control. Jotun cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements. Jotun reserves the right to change the given data without further notice.

Users should always consult Jotun for specific guidance on the general suitability of this product for their needs and specific application practices.

If there is any inconsistency between different language issues of this document, the English (United Kingdom) version will prevail.